Sakila Postgres Queries

--1.1

select country, city, sum(amount) from customer\_list

inner join payment on customer\_list.id = payment.customer\_id

group by city, country

order by country;

--1.2

select f.rating, sum(p.amount) as Rental\_Amount

from film f

join inventory i

on f.film\_id = i.film\_id

join rental r

on i.inventory\_id = r.inventory\_id

join payment p

on r.rental\_id = p.rental\_id

group by f.rating

having f.rating = 'PG-13' or f.rating = 'PG'

--1.3

select country, city, count(id) from customer\_list

inner join rental on customer\_list.ID = rental.CUSTOMER\_ID

group by country, city, id

order by id desc

LIMIT 20;

--1.4

select country, city, count(film\_id) from rental

inner join inventory on rental.INVENTORY\_ID = INVENTORY.INVENTORY\_id

inner join customer\_list on rental.customer\_id = customer\_list.id

group by city, country, FILM\_ID

order by film\_id desc

LIMIT 20;

--1.5

select city, avg(amount) from payment

inner join customer\_list on payment.customer\_id = customer\_list.id

group by city, amount

order by amount desc;

--2.1

select Name, sum(rental\_rate) as rentalamount, count(name) as quantity

from film\_category

inner join film on film.film\_id= film\_category.film\_id

inner join category on category.category\_id= film\_category.category\_id

group by name;

--2.2

select name, sum(rental\_rate) as rentalamount

from film\_category

inner join film on film.film\_id= film\_category.film\_id

inner join category on category.category\_id= film\_category.category\_id

group by name;

--2.3

select name, avg(rental\_rate) as amount

from film\_category

inner join film on film.film\_id= film\_category.film\_id

inner join category on category.category\_id= film\_category.category\_id

group by name

--2.4

select count(rental.customer\_id) as numberofcustomers, category.name as category

from film

inner join film\_category on film.film\_id = film\_category.film\_id

inner join inventory on film.film\_id= inventory.film\_id

inner join rental on inventory.inventory\_id= rental.inventory\_id

inner join category on film\_category.category\_id= category.category\_id

group by name;

--2.5

select sum(rental\_rate) as rental\_amount, Name

from film\_category

inner join film on film\_category.film\_id= film.film\_id

inner join category on film\_category.category\_id= category.category\_id

group by name;

--3.1

select title,name,count(name) as quantity, rental\_rate, replacement\_cost, rating

from film\_category

inner join film on film.film\_id= film\_category.film\_id

inner join category on category.category\_id=film\_category.category\_id

group by name, title, rental\_rate, replacement\_cost, rating;

--3.2

select title, rental\_duration, rental\_rate as amnt

from film

order by amnt desc

LIMIT 10;

--3.3

select count(customer\_id) as NoCustomers, film.title as title

from inventory

inner join rental on rental.inventory\_id= inventory.inventory\_id

inner join film on film.film\_id= inventory.film\_id

group by film.title

order by NoCustomers desc

Limit 20;

--3.4

select title,rental\_duration, rental\_rate, count(customer\_id) as id

from inventory

inner join rental on rental.inventory\_id= inventory.inventory\_id

inner join film on film.film\_id= inventory.film\_id

where title like '%PUNK%'

group by title, rental\_duration, rental\_rate;

--3.5

select title,rental\_duration, rental\_rate as rentalamount

from film\_category

inner join category on category.category\_id= film\_category.category\_id

inner join film on film.film\_id= film\_category.film\_id

where category.NAME = 'Documentary';

--4.1

select Last\_name, First\_name,Active,country,city,sum(amount) as amnt,

count(Last\_name) as quantity

from payment

inner join customer on payment.customer\_id= customer.customer\_id

inner join customer\_list on customer.customer\_id= customer\_list.ID

group by last\_name, First\_name,Active,country,city;

--4.2

select customer.last\_name, customer.first\_name, rental\_duration,rental\_rate, Rating

from customer

inner join rental on customer.customer\_id= rental.customer\_id

inner join inventory on inventory.inventory\_id= rental.rental\_id

inner join film on film.film\_id= inventory.film\_id

where rating='PG' or rating='PG-13'

order by customer.last\_name, customer.first\_name, rental\_duration, rental\_rate desc

LIMIT 10;

--4.3

select name, sum(amount), Country

from customer\_list

inner join payment on customer\_list.ID= payment.customer\_id

where country= 'France' or country= 'Italy' or country='Germany'

group by country, name;